

**Amendments to the Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

Claims 1-6. (Cancelled).

7. (Currently Amended) A method of producing a soap product comprising:

providing facultative ~~anaerobe~~anaerobic effective microorganisms including at least lactic acid bacteria, yeast and photosynthetic bacteria or a fermented material containing facultative ~~anaerobe~~anaerobic effective microorganisms including at least lactic acid bacteria, yeast and photosynthetic bacteria;

providing a ceramic powder catalyst by forming a mixture of a clay and a condensed liquid of an antioxidant substance produced by effective microorganisms to form a mixture, aging the mixture and baking the mixture;

compounding the effective microorganisms and the ceramic powder catalyst and adding the compounded effective microorganisms and the ceramic powder to a ~~soap product raw material~~fats and mixing; and

performing emulsification and saponification;

wherein the ceramic powder catalyst enhances a degree of saponification of the ~~soap product~~fats during the production thereof of the soap product; and

wherein after the soap product is introduced into a waste water system, the effective microorganisms provided thereby proliferate in the waste water system to enhance a decomposition rate of the soap product itself as well as a decomposition rate of indigenous pollutants in the waste water system to accelerate water purification.

8. (Currently Amended) The method according to claim 7, wherein a hydrophobic antioxidant substance of the fermented material containing facultative

~~anaerobe~~anaerobic effective microorganisms in is integrated into a fat of the soap product raw material the fats for direct fermentation thereof.

9. (Currently Amended) The method according to claim 7, further comprising a step of adding a fermented liquid containing a facultative ~~anaerobe~~anaerobic effective microorganisms including at least lactic acid bacteria, yeast and photosynthetic bacteria after the saponification step to provide a liquid soap product.